

(FILE 'HOME' ENTERED AT 11:58:25 ON 15 JUN 2003)

FILE 'REGISTRY' ENTERED AT 11:58:40 ON 15 JUN 2003

L1 3 S NOOTKATONE/CN OR CREDENE OR ZIZANOL/CN OR
BICYCLOVETIVENOL/CN
L2 3 S NOOTKATONE/CN OR CREDENE OR ZIZANOL/CN OR
BICYCLOVETIVENOL/C
L3 31 S NOOTKATONE/CN OR CEDRENE OR ZIZANOL/CN OR
BICYCLOVETIVENOL/CN
L4 3 S NOOTKATONE/CN OR ALPHA CEDRENE/CN OR ZIZANOL/CN OR
BICYCLOVET
L5 4 S NOOTKATONE/CN OR CEDRENE/CN OR ZIZANOL/CN OR
BICYCLOVETIVENOL

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:02:59 ON 15 JUN 2003

L6 0 S NOOTKATONE/CN

FILE 'REGISTRY' ENTERED AT 12:03:35 ON 15 JUN 2003

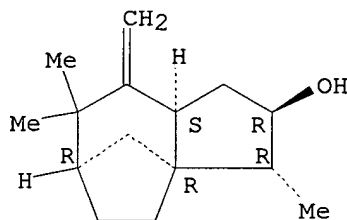
L7 1 S NOOTKATONE/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:03:51 ON 15 JUN 2003

L8 313 S L7
L9 2 S L7 AND ANT
L10 1 S L7 (P) ANT
L11 3 S L3 AND ANT
L12 1 S L11 NOT L9
L13 947156 S SOIL OR MULCH OR GRASS OR EARTH
L14 10 S L13 AND L8
L15 1 S L13 (P) L8
L16 9 S L14 NOT L15

L5 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2003 ACS
 RN 28102-79-6 REGISTRY
 CN 1H-3a,6-Methanoazulen-2-ol, octahydro-3,7,7-trimethyl-8-methylene-,
 (2R,3R,3aR,6R,8aS)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1H-3a,6-Methanoazulen-2-ol, octahydro-3,7,7-trimethyl-8-methylene-,
 (2R,3S,3aR,6R,8aS)-(+)- (8CI)
 CN 1H-3a,6-Methanoazulen-2-ol, octahydro-3,7,7-trimethyl-8-methylene-,
 [2R-(2.alpha.,3.beta.,3a.beta.,6.beta.,8a.beta.)]-
 OTHER NAMES:
 CN Ziza-6(13)-en-3.alpha.-ol
 CN **Zizanol**
 FS STEREOSEARCH
 MF C15 H24 O
 LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAPLUS,
 TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

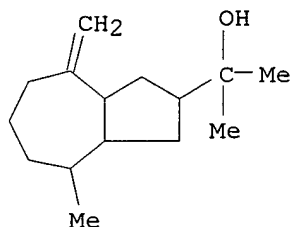
17 REFERENCES IN FILE CA (1957 TO DATE)
 17 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L5 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2003 ACS
 RN 11028-42-5 REGISTRY
 CN **Cedrene (6CI, 7CI, 8CI, 9CI)** (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1H-3a,7-Methanoazulene, cedrene deriv.
 MF C15 H24
 CI MAN
 LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
 CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHEM,
 EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, MEDLINE, NAPRALERT, NIOSHTIC,
 TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

124 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 124 REFERENCES IN FILE CAPLUS (1957 TO DATE)
 7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2003 ACS
 RN 5957-31-3 REGISTRY
 CN 2-Azulenemethanol, decahydro-.alpha.,.alpha.,4-trimethyl-8-methylene-
 (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN **Bicyclovetivenol (6CI)**
 OTHER NAMES:
 CN tert-Bicyclovetivenol
 DR 20303-94-0
 MF C15 H26 O
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)

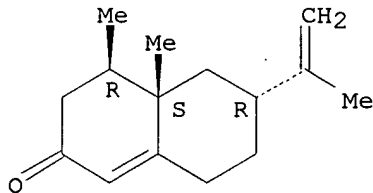


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9 REFERENCES IN FILE CA (1957 TO DATE)
 9 REFERENCES IN FILE CAPLUS (1957 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2003 ACS
 RN 4674-50-4 REGISTRY
 CN 2(3H)-Naphthalenone, 4,4a,5,6,7,8-hexahydro-4,4a-dimethyl-6-(1-methylethenyl)-, (4R,4aS,6R)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2(3H)-Naphthalenone, 4,4a,5,6,7,8-hexahydro-4,4a-dimethyl-6-(1-methylethenyl)-, [4R-(4.alpha.,4a.alpha.,6.beta.)]-
 CN 4.beta.H,5.alpha.-Eremophila-1(10),11-dien-2-one (8CI)
 CN **Nootkatone (7CI)**
 OTHER NAMES:
 CN (+)-Nootkatone
 CN Nootkanone
 FS STEREOSEARCH
 MF C15 H22 O
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSChem, DDFU, DRUGU, IFICDB, IFIPAT, IFIUDb, NAPRALERT, SPECINFO, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

301 REFERENCES IN FILE CA (1957 TO DATE)

2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

302 REFERENCES IN FILE CAPLUS (1957 TO DATE)

6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L9 ANSWER 2 OF 2 USPATFULL

ACCESSION NUMBER: 2003:106836 USPATFULL

TITLE: Extracts of vetiver oil as repellent and toxicant to
ants, ticks, and cockroaches

INVENTOR(S): Henderson, Gregg, Saint Gabriel, LA, UNITED STATES
Heumann, Donald O., Metairie, LA, UNITED STATES
Laine, Roger A., Baton Rouge, LA, UNITED STATES
Maistrello, Lara, Baton Rouge, LA, UNITED STATES
Zhu, Betty C.R., Baton Rouge, LA, UNITED STATES
Chen, Feng, Clemson, SC, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003073748	A1	20030417
APPLICATION INFO.:	US 2001-932555	A1	20010817 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	PATENT DEPARTMENT, TAYLOR, PORTER, BROOKS & PHILLIPS, L.L.P., P.O. BOX 2471, BATON ROUGE, LA, 70821-2471		
NUMBER OF CLAIMS:	74		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Page(s)		
LINE COUNT:	860		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:29183 CAPLUS

DOCUMENT NUMBER: 136:162704

TITLE: Efficacy of vetiver oil and nootkatone as soil barriers against formosan subterranean termite (Isoptera: Rhinotermitidae)

AUTHOR(S): Maistrello, Lara; Henderson, Gregg; Laine, Roger A.
CORPORATE SOURCE: Department of Entomology, Louisiana State University
Agricultural Center, Baton Rouge, LA, 70803, USA
SOURCE: Journal of Economic Entomology (2001), 94(6), 1532-1537

CODEN: JEENAI; ISSN: 0022-0493
PUBLISHER: Entomological Society of America

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

=> d ab

L15 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

AB Vetiver oil and its components nootkatone and cedrene were assessed as sand treatments for their efficacy to disrupt food recruitment by *Coptotermes formosanus* Shiraki. Termites were required to tunnel through sand treated with vetiver oil, nootkatone, cedrene, or untreated sand to reach a food source. Results showed that sand treated with vetiver oil

or

nootkatone disrupted termite tunneling behavior. As a consequence, after 21 d, wood consumption and termite survival were significantly lower compared with cedrene-treated or untreated sand treatments. Sand treated with vetiver oil or nootkatone at 100 .mu.g/g substrate were effective barriers to termites.

11/2/16/18

103
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